ELSEVIER

Forest Ecology and Management 115 (1999) 289–290

Forest Ecology and Management

# Contents of *Forest Ecology and Management*, Volume 115

**VOL. 115, NO. 1** **8 MARCH 1999**

Litter of multipurpose trees in Kerala, India: variations in the amount, quality, decay rates and release of nutrients
V. Jamaludheen and B.M. Kumar (Thrissur, India) . . . . . 1
Impacts of repeated fuel reduction burning on tree growth, mortality and recruitment in mixed species eucalypt forests of southeast Queensland, Australia
D.F. Guinto (Nathan, Australia), A.P.N. House, Z.H. Xu (Gympie, Australia) and P.G. Saffigna (Nathan, Australia) . . . . . 13
A fuzzy set approach to the problem of sustainability
M.J. Ducey (Durham, NH, USA) and B.C. Larson (New Haven, CT, USA) . . . . . 29
Arbuscular mycorrhizae and ectomycorrhizae in native tree legumes in Uruguay
L. Frioni, H. Minasian and R. Volfovicz (Montevideo, Uruguay) . . . . . 41
Long-term growth trends of red spruce and fraser fir at Mt. Rogers, Virginia and Mt. Mitchell, North Carolina
J.C.G. Goelz (Stoneville, MS, USA), T.E. Burk (St. Paul, MN, USA) and S.M. Zedaker (Blacksburg, VA, USA) . . . . . 49
Phenology of *Quercus ithaburensis* with emphasis on the effect of fire
D. Kaplan (Safed, Israel) and M. Gutman (Bet Dagan, Israel) . . . . . 61
Regeneration of Norway spruce in canopy gaps in *Sphagnum-Myrtillus* old-growth forests
I.V. Drobyshev (St. Petersburg, Russia) . . . . . 71
Risk-based selection of forest regeneration methods
W. Zhou (Umea, Sweden) . . . . . 85

*Guide for Authors* . . . . . 93

**VOL. 115, NOS. 2–3** **22 MARCH 1999**

Preface . . . . . 97
The role of science in the preservation of forest biodiversity
D. Simberloff (Knoxville, TN, USA) . . . . . 101
Biodiversity across spatial and temporal scales: problems and opportunities
F.L. Bunnell (Vancouver, Canada) and D.J. Huggard (St Kamloops, Canada) . . . . . 113
Management in relation to disturbance in the boreal forest
J. Niemelä (Helsinki, Finland) . . . . . 127
Assessing and monitoring forest biodiversity: A suggested framework and indicators
R.F. Noss (Corvallis, OR, USA) . . . . . 135
Biodiversity of woody species in oak woodlands of southern Spain and northern Morocco
T. Marañón, R. Ajbilou, F. Ojeda and J. Arroyo (Seville, Spain) . . . . . 147
Impact of habitat quality on forest plant species colonization
O. Honnay, M. Hermy and P. Coppin (Leuven, Belgium) . . . . . 157
Deer browsing and slash removal affect field vegetation on south Swedish clearcuts
J. Bergquist (Lammhult, Sweden), G. Örlander and U. Nilsson (Alnarp, Sweden) . . . . . 171
Wood-decomposing fungi and seed-tree cutting: A 40-year perspective
A.-L. Sippola (Rovaniemi, Finland) and P. Renvall (Kuopio, Finland) . . . . . 183
Molecular identification of wood-inhabiting fungi in an unmanaged *Picea abies* forest in Sweden
H. Johannesson and J. Stenlid (Uppsala, Sweden) . . . . . 203

Stand structure as the basis of diversity index
E. Lähde, O. Laiho, Y. Norokorpi and T. Saksa (Vantaa, Finland) . . . . . 213
An objective indicator of functional integrity in avian communities
F. von Euler (Vancouver, Canada) . . . . . 221
Effect of alternative silvicultural systems on vegetation and bird communities in coastal montane forests of British Columbia, Canada
W.J. Beese and A.A. Bryant (Nanaimo, Canada) . . . . . 231
Nest webs: A community-wide approach to the management and conservation of cavity-nesting forest birds
K. Martin (Vancouver, Canada) and J.M. Eadie (Davis, CA, USA) . . . . . 243
Effects of beaver dams on the fish fauna of forest streams
Å. Hägglund and G. Sjöberg (Umeå, Sweden). . . . . 259
Population levels of bark beetles and associated insects in managed and unmanaged spruce stands
J. Weslien and L.M. Schroeder (Uppsala, Sweden) . . . . . 267
Future directions for biodiversity conservation in managed forests: indicator species, impact studies and monitoring programs
D.B. Lindenmayer (Canberra, Australia). . . . . 277

**Contents of *Forest Ecology and Management*, Volume 115** . . . . . 289